

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 6-7 have been amended and Claims 8-13 have been added as follows:

Listing of Claims:

Claim 1 (original): A contamination purification system for purification of an area contaminated with a volatile organic compound,

which is composed of an extraction well located in the contaminated area, gas suction/exhausting unit for extracting the volatile organic compound from the extraction well, vapor-liquid separator for separating water accompanying the extracted volatile organic compound, and combustion/electric power generation unit for transforming energy produced by combusting the separated/recovered volatile organic compound into electric power, wherein the electric power produced by the combustion/electric power generation unit is used as a power for driving the contamination purification system.

Claim 2 (original): A contamination purification system for purification of an area contaminated with a volatile organic compound,

which is composed of an air-injection well and extraction well located in at least one of the water-impermeable, water-saturated and water-unsaturated stratum all located in the contaminated area, (at the upper end when located in the water-impermeable stratum), an air injection and gas suction/exhausting unit for extracting the volatile organic compound from the extraction well, vapor-

liquid separator for separating water accompanying the extracted volatile organic compound, and combustion/electric power generation unit for transforming energy produced by combusting the separated/recovered volatile organic compound into electric power, wherein the electric power produced by the combustion/electric power generation unit is used as a power for driving the contamination purification system.

Claim 3 (original): A contamination purification system for purification of an area contaminated with a volatile organic compound,

which is composed of a water pumping-up well located in the contaminated area, suction pump for lifting water containing a volatile organic compound through the pumping-up well, decomposing unit for purifying the lifted water, deaeration unit for aerating the water purified by the decomposing unit to recover the volatile organic compound, and combustion/electric power generation unit for transforming energy produced by combusting the recovered volatile organic compound into electric power, wherein the electric power produced by the combustion/electric power generation unit is used as a power for driving the contamination purification system.

Claim 4 (original): A contamination purification system for purification of an area contaminated with a volatile organic compound,

which is composed of an extraction well and water pumping-up well all located in the contaminated area, gas suction/exhausting unit for extracting the volatile organic compound from the extraction well, vapor-liquid separator for separating water accompanying the extracted volatile

organic compound, suction pump for lifting water containing a volatile organic compound through the pumping-up well, decomposing unit for purifying the lifted water, deaeration unit for aerating the water purified by the decomposing unit to recover the volatile organic compound, and combustion/electric power generation unit for transforming energy produced by combusting the separated/recovered volatile organic compound into electric power, wherein the electric power produced by the combustion/electric power generation unit is used as a power for driving the contamination purification system.

Claim 5 (original): A contamination purification system for purification of an area contaminated with a volatile organic compound,

which is composed of an air-injection well, extraction well and water pumping-up well all located in at least one of the water-impermeable, water-saturated and water-unsaturated stratum in the contamination area (at the upper end when located in the water-impermeable stratum), an air injection and gas suction/exhausting unit for extracting the volatile organic compound from the extraction well, vapor-liquid separator for separating water accompanying the extracted volatile organic compound, suction pump for lifting water containing a volatile organic compound through the pumping-up well, decomposing unit for purifying the lifted water, deaeration unit for aerating the water purified by the decomposing unit to recover the volatile organic compound, and combustion/electric power generation unit for transforming energy produced by combusting the volatile organic compound, recovered by the vapor-liquid separator and deaeration unit, into electric power, wherein the electric power produced by the combustion/electric power generation unit is used

as a power for driving the contamination purification system.

Claim 6 (currently amended): The contamination purification system ~~of one~~ of Claim[[s]] 1 [[to 5]], wherein said combustion/electric power generation unit uses a gas turbine.

Claim 7 (currently amended): The contamination purification system of [[one of]] Claim[[s]] 3 [[to 5]], wherein said decomposing unit decomposes the lifted water in the presence of ultraviolet ray or photocatalyst.

Claim 8 (new): The contamination purification system of Claim 2, wherein said combustion/electric power generation unit uses a gas turbine.

Claim 9 (new): The contamination purification system of Claim 3, wherein said combustion/electric power generation unit uses a gas turbine.

Claim 10 (new): The contamination purification system of Claim 4, wherein said combustion/electric power generation unit uses a gas turbine.

Claim 11 (new): The contamination purification system of Claim 5, wherein said combustion/electric power generation unit uses a gas turbine.

Claim 12 (new): The contamination purification system of Claim 4, wherein said decomposing unit decomposes the lifted water in the presence of ultraviolet ray or photocatalyst.

Claim 13 (new): The contamination purification system of Claim 5, wherein said decomposing unit decomposes the lifted water in the presence of ultraviolet ray or photocatalyst.